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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-12-02-02** **Date: 14/11/2018**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Culvert and U Shape Drain for Secondary SWD Drains near Divya Enginering Works at Kammagondanahalli in Ward No.12.
Agency	:	Smt K.Jayamma, #H No: 74, Behind Grama Panchayat Office, Sgnabhog Layout, Dasanapura, Bangalore-562133.
Customer's Reference	:	EE/SWD/DHZ/WO/05/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-11-18
Customer ID	:	Drain Side Wall concrete (A)
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 14/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall concrete (A)	M25	07/11/2018	14/11/2018	150.61 X 150.03 X 151.58	22595	8.046	538.5	23.8	22.9
2	Drain Side Wall concrete (A)	M25	07/11/2018	14/11/2018	150.55 X 151.75 X 150.86	22845	8.919	511.9	22.4	
3	Drain Side Wall concrete (A)	M25	07/11/2018	14/11/2018	150.74 X 149.16 X 151.55	22484	9.058	502.7	22.4	

Note:
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ಬೃಹತ್ ಮಳೆ ನೀರುಗಾಲುವೆ ಉಪ-ವಿಭಾಗ,
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಿ.ಬಿ.ಎಮ್.ಪಿ. ಬೆಂಗಳೂರು

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2019-12-02-02

Date: 05/12/2018

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Culvert and U Shape Drain for Secondary SWD Drains near Divya Enginering Works at Kammagondanahalli in Ward No.12.

Agency : Smt K.Jayamma, #H No: 74, Behind Grama Panchayat Office, Sgnabhog Layout, Dasanapura, Bangalore-562133.

Customer's Reference : EE/SWD/DHZ/WO/05/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-11-18

Customer ID : Drain Side Wall concrete (A)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/12/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall concrete (A)	M25	07/11/2018	05/12/2018	150.59 X 151.65 X 151.80	22837	8.249	626.7	27.4	27.5
2	Drain Side Wall concrete (A)	M25	07/11/2018	05/12/2018	149.80 X 150.56 X 151.90	22553	8.466	590.1	26.2	
3	Drain Side Wall concrete (A)	M25	07/11/2018	05/12/2018	149.47 X 149.43 X 151.07	22336	8.612	645.8	28.9	

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ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಿ.ಬಿ.ಎಮ್.ಪಿ. ಬೆಂಗಳೂರು

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 19/11/2018

Lab ID	:	**CP-2019-12-02-02**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Culvert and U Shape Drain for Secondary SWD Drains near Divya Enginering Works at Kammagondanahalli in Ward No.12.
Agency	:	Smt K.Jayamma, #H No: 74, Behind Grama Panchayat Office, Sgnabhog Layout, Dasanapura, Bangalore-562133.
Customer's Reference	:	EE/SWD/DHZ/WO/05/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-11-18
Customer ID	:	Drain Bottom Slab Concrete (B)
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete (B)	M25	12/11/2018	19/11/2018	150.40 X 151.65 X 149.31	22808	8.711	543.9	23.8	22.9
2	Drain Bottom Slab Concrete (B)	M25	12/11/2018	19/11/2018	149.32 X 150.65 X 149.06	22495	8.289	502.6	22.3	
3	Drain Bottom Slab Concrete (B)	M25	12/11/2018	19/11/2018	151.47 X 150.48 X 150.26	22794	8.665	513.5	22.5	

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-12-02-02** **Date: 10/12/2018**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Culvert and U Shape Drain for Secondary SWD Drains near Divya Enginering Works at Kammagondanahalli in Ward No.12.

Agency : Smt K.Jayamma, #H No: 74, Behind Grama Panchayat Office, Sgnabhog Layout, Dasanapura, Bangalore-562133.

Customer's Reference : EE/SWD/DHZ/WO/05/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-11-18

Customer ID : Drain Bottom Slab Concrete (B)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/12/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete (B)	M25	12/11/2018	10/12/2018	151.72 X 149.57 X 151.34	22692	8.584	631.6	27.8	27.5
2	Drain Bottom Slab Concrete (B)	M25	12/11/2018	10/12/2018	151.43 X 151.71 X 149.69	22972	8.267	613.2	26.7	
3	Drain Bottom Slab Concrete (B)	M25	12/11/2018	10/12/2018	151.63 X 151.90 X 150.98	23033	8.439	646.1	28.1	

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Lab ID : **CP-2019-12-02-02** **Date: 19/11/2018**

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Customer's Reference : EE/SWD/DHZ/WO/05/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-11-18

Customer ID : Drain Bottom Slab Concrete (B)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete (B)	M25	12/11/2018	19/11/2018	151.22 X 150.82 X 151.10	22807	8.711	530.4	23.3	22.8
2	Drain Bottom Slab Concrete (B)	M25	12/11/2018	19/11/2018	149.47 X 151.22 X 151.93	22604	8.289	513.3	22.7	
3	Drain Bottom Slab Concrete (B)	M25	12/11/2018	19/11/2018	151.47 X 150.10 X 150.66	22735	8.665	509.0	22.4	

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ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/12/2018

Lab ID	:	**CP-2019-12-02-02**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Culvert and U Shape Drain for Secondary SWD Drains near Divya Enginering Works at Kammagondanahalli in Ward No.12.
Agency	:	Smt K.Jayamma, #H No: 74, Behind Grama Panchayat Office, Sgnabhog Layout, Dasanapura, Bangalore-562133.
Customer's Reference	:	EE/SWD/DHZ/WO/05/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-11-18
Customer ID	:	Drain Bottom Slab Concrete (B)
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/12/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete (B)	M25	12/11/2018	10/12/2018	151.20 X 149.74 X 151.35	22640	8.584	629.4	27.8	27.7
2	Drain Bottom Slab Concrete (B)	M25	12/11/2018	10/12/2018	149.29 X 151.15 X 150.66	22565	8.267	593.6	26.3	
3	Drain Bottom Slab Concrete (B)	M25	12/11/2018	10/12/2018	151.76 X 151.97 X 150.33	23062	8.439	665.3	28.8	

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 19/11/2018

Lab ID	:	**CP-2019-12-02-02**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Culvert and U Shape Drain for Secondary SWD Drains near Divya Enginering Works at Kammagondanahalli in Ward No.12.
Agency	:	Smt K.Jayamma, #H No: 74, Behind Grama Panchayat Office, Sgnabhog Layout, Dasanapura, Bangalore-562133.
Customer's Reference	:	EE/SWD/DHZ/WO/05/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-11-18
Customer ID	:	Drain Bottom Slab Concrete (B)
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete (B)	M25	12/11/2018	19/11/2018	151.22 X 150.52 X 151.22	22762	8.711	534.4	23.5	22.7
2	Drain Bottom Slab Concrete (B)	M25	12/11/2018	19/11/2018	151.53 X 149.60 X 150.28	22669	8.289	502.5	22.2	
3	Drain Bottom Slab Concrete (B)	M25	12/11/2018	19/11/2018	149.83 X 150.49 X 150.84	22548	8.665	504.8	22.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-12-02-02 **Date: 10/12/2018**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Culvert and U Shape Drain for Secondary SWD Drains near Divya Enginering Works at Kammagondanahalli in Ward No.12.

Agency : Smt K.Jayamma, #H No: 74, Behind Grama Panchayat Office, Sgnabhog Layout, Dasanapura, Bangalore-562133.

Customer's Reference : EE/SWD/DHZ/WO/05/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-11-18

Customer ID : Drain Bottom Slab Concrete (B)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/12/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete (B)	M25	12/11/2018	10/12/2018	151.33 X 150.59 X 150.44	22789	8.584	637.0	28.0	27.5
2	Drain Bottom Slab Concrete (B)	M25	12/11/2018	10/12/2018	150.96 X 151.12 X 151.85	22814	8.267	602.1	26.4	
3	Drain Bottom Slab Concrete (B)	M25	12/11/2018	10/12/2018	150.11 X 151.24 X 149.85	22703	8.439	636.3	28.0	

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ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-12-02-02** **Date: 21/11/2018**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Culvert and U Shape Drain for Secondary SWD Drains near Divya Enginering Works at Kammagondanahalli in Ward No.12.
Agency	:	Smt K.Jayamma, #H No: 74, Behind Grama Panchayat Office, Sgnabhog Layout, Dasanapura, Bangalore-562133.
Customer's Reference	:	EE/SWD/DHZ/WO/05/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-11-18
Customer ID	:	Drain Side Wall Concrete (B)
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	21/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete (B)	M25	13/11/2018	21/11/2018	151.50 X 151.04 X 149.77	22883	8.046	542.0	23.7	22.8
2	Drain Side Wall Concrete (B)	M25	13/11/2018	21/11/2018	150.60 X 149.78 X 150.62	22556	8.919	505.8	22.4	
3	Drain Side Wall Concrete (B)	M25	13/11/2018	21/11/2018	151.71 X 150.97 X 151.57	22904	9.058	508.7	22.2	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 90 days from the date of issue of test certificate

ಬೃಹತ್ ಬೆಂ ಬಾಡಾಬೆ ಅಭಿವೃದ್ಧಿ,
ಗಾಣಿಕಹಳ್ಳಿ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

BVH CONSULTING ENGINEERS BENGALURU

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig. Date BANGALORE

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-12-02-02** **Date: 11/12/2018**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Culvert and U Shape Drain for Secondary SWD Drains near Divya Enginering Works at Kammagondanahalli in Ward No.12.

Agency : Smt K.Jayamma, #H No: 74, Behind Grama Panchayat Office, Sgnabhog Layout, Dasanapura, Bangalore-562133.

Customer's Reference : EE/SWD/DHZ/WO/05/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-11-18

Customer ID : Drain Side Wall Concrete (B)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/12/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete (B)	M25	13/11/2018	11/12/2018	151.74 X 151.18 X 150.45	22941	8.140	635.5	27.7	27.6
2	Drain Side Wall Concrete (B)	M25	13/11/2018	11/12/2018	151.20 X 149.01 X 150.35	22531	8.715	597.2	26.5	
3	Drain Side Wall Concrete (B)	M25	13/11/2018	11/12/2018	150.95 X 150.82 X 150.02	22766	8.606	653.3	28.7	

Note:
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Quality Manager

ಬೃಹತ್ ಬೆಂಗಳೂರು ಅಭಿವೃದ್ಧಿ ಪ್ರಾಧಿಕಾರ,
ಗಾಯರಹಳ್ಳಿ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

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****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 21/11/2018

Lab ID	:	CP-2019-12-02-02
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Culvert and U Shape Drain for Secondary SWD Drains near Divya Enginering Works at Kammagondanahalli in Ward No.12.
Agency	:	Smt K.Jayamma, #H No: 74, Behind Grama Panchayat Office, Sgnabhog Layout, Dasanapura, Bangalore-562133.
Customer's Reference	:	EE/SWD/DHZ/WO/05/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-11-18
Customer ID	:	Drain Side Wall Concrete (B)
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	21/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete (B)	M25	13/11/2018	21/11/2018	150.07 X 151.09 X 151.70	22673	8.046	533.7	23.5	23.1
2	Drain Side Wall Concrete (B)	M25	13/11/2018	21/11/2018	150.70 X 149.59 X 151.48	22544	8.919	516.9	22.9	
3	Drain Side Wall Concrete (B)	M25	13/11/2018	21/11/2018	151.35 X 150.83 X 149.64	22829	9.058	519.6	22.8	

Note:
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